

Gen-Sheng Feng

List of Publications by Year in descending order

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151
papers

10,281
citations

30047

54
h-index

36008

97
g-index

154
all docs

154
docs citations

154
times ranked

11800
citing authors

#	ARTICLE	IF	CITATIONS
1	Deterministically patterned biomimetic human iPSC-derived hepatic model via rapid 3D bioprinting. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2206-2211.	3.3	676
2	Abnormal mesoderm patterning in mouse embryos mutant for the SH2 tyrosine phosphatase Shp-2. EMBO Journal, 1997, 16, 2352-2364.	3.5	423
3	Protein-tyrosine Phosphatase Shp-2 Regulates Cell Spreading, Migration, and Focal Adhesion. Journal of Biological Chemistry, 1998, 273, 21125-21131.	1.6	355
4	Shp-2 Tyrosine Phosphatase Functions as a Negative Regulator of the Interferon-Stimulated Jak/STAT Pathway. Molecular and Cellular Biology, 1999, 19, 2416-2424.	1.1	328
5	PTPN11 is the first identified proto-oncogene that encodes a tyrosine phosphatase. Blood, 2007, 109, 862-867.	0.6	305
6	Ptpn11/Shp2 Acts as a Tumor Suppressor in Hepatocellular Carcinogenesis. Cancer Cell, 2011, 19, 629-639.	7.7	279
7	Shp-2 Tyrosine Phosphatase: Signaling One Cell or Many. Experimental Cell Research, 1999, 253, 47-54.	1.2	265
8	Neuronal Shp2 tyrosine phosphatase controls energy balance and metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 16064-16069.	3.3	226
9	Molecular Mechanism for the Shp-2 Tyrosine Phosphatase Function in Promoting Growth Factor Stimulation of Erk Activity. Molecular and Cellular Biology, 2000, 20, 1526-1536.	1.1	207
10	Nuclear factor high-mobility group box1 mediating the activation of toll-like receptor 4 signaling in hepatocytes in the early stage of nonalcoholic fatty liver disease in mice. Hepatology, 2011, 54, 1620-1630.	3.6	199
11	Force-dependent integrin-cytoskeleton linkage formation requires downregulation of focal complex dynamics by Shp2. EMBO Journal, 2003, 22, 5023-5035.	3.5	184
12	Hepatic transforming growth factor beta gives rise to tumor-initiating cells and promotes liver cancer development. Hepatology, 2012, 56, 2255-2267.	3.6	179
13	Phosphotyrosine phosphatases with SH2 domains: regulators of signal transduction. Trends in Genetics, 1994, 10, 54-58.	2.9	178
14	The tyrosine phosphatase SHP-2 is required for mediating phosphatidylinositol 3-kinase/Akt activation by growth factors. Oncogene, 2001, 20, 6018-6025.	2.6	145
15	Involvement of the Src Homology 2-containing Tyrosine Phosphatase SHP-2 in Growth Hormone Signaling. Journal of Biological Chemistry, 1998, 273, 2344-2354.	1.6	142
16	SHP-2 Is a Dual-specificity Phosphatase Involved in Stat1 Dephosphorylation at Both Tyrosine and Serine Residues in Nuclei. Journal of Biological Chemistry, 2002, 277, 47572-47580.	1.6	140
17	Involvement of SH2-containing Phosphotyrosine Phosphatase Syp in Erythropoietin Receptor Signal Transduction Pathways. Journal of Biological Chemistry, 1995, 270, 5631-5635.	1.6	139
18	The Shp-2 Tyrosine Phosphatase Has Opposite Effects in Mediating the Activation of Extracellular Signal-regulated and c-Jun NH2-terminal Mitogen-activated Protein Kinases. Journal of Biological Chemistry, 1998, 273, 4904-4908.	1.6	137

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19	The protein tyrosine phosphatase Shp-2 regulates RhoA activity. <i>Current Biology</i> , 2000, 10, 1523-1526.	1.8	130
20	Biased Suppression of Hematopoiesis and Multiple Developmental Defects in Chimeric Mice Containing Shp-2 Mutant Cells. <i>Molecular and Cellular Biology</i> , 1998, 18, 6075-6082.	1.1	125
21	Modulation of the Nuclear Factor κ B Pathway by Shp-2 Tyrosine Phosphatase in Mediating the Induction of Interleukin (Il)-6 by IL-1 or Tumor Necrosis Factor. <i>Journal of Experimental Medicine</i> , 2001, 193, 101-110.	4.2	124
22	Deletion of Shp2 in the Brain Leads to Defective Proliferation and Differentiation in Neural Stem Cells and Early Postnatal Lethality. <i>Molecular and Cellular Biology</i> , 2007, 27, 6706-6717.	1.1	124
23	PTEN regulation by Akt-EGR1-ARF-PTEN axis. <i>EMBO Journal</i> , 2009, 28, 21-33.	3.5	122
24	PTPN11/Shp2 overexpression enhances liver cancer progression and predicts poor prognosis of patients. <i>Journal of Hepatology</i> , 2015, 63, 651-660.	1.8	122
25	p28GANK overexpression accelerates hepatocellular carcinoma invasiveness and metastasis via phosphoinositol 3-kinase/AKT/hypoxia-inducible factor-1 pathways. <i>Hepatology</i> , 2011, 53, 181-192.	3.6	121
26	Gab2, a New Pleckstrin Homology Domain-containing Adapter Protein, Acts to Uncouple Signaling from ERK Kinase to Elk-1. <i>Journal of Biological Chemistry</i> , 1999, 274, 19649-19654.	1.6	120
27	Molecular Characterization of Specific Interactions between SHP-2 Phosphatase and JAK Tyrosine Kinases. <i>Journal of Biological Chemistry</i> , 1997, 272, 1032-1037.	1.6	111
28	Grap Is a Novel SH3-SH2-SH3 Adaptor Protein That Couples Tyrosine Kinases to the Ras Pathway. <i>Journal of Biological Chemistry</i> , 1996, 271, 12129-12132.	1.6	108
29	Requirement of Shp-2 tyrosine phosphatase in lymphoid and hematopoietic cell development. <i>Blood</i> , 2001, 97, 911-914.	0.6	108
30	Conflicting Roles of Molecules in Hepatocarcinogenesis: Paradigm or Paradox. <i>Cancer Cell</i> , 2012, 21, 150-154.	7.7	107
31	Identification of Shp-2 as a Stat5A Phosphatase. <i>Journal of Biological Chemistry</i> , 2003, 278, 16520-16527.	1.6	106
32	Concerted Functions of Gab1 and Shp2 in Liver Regeneration and Hepatoprotection. <i>Molecular and Cellular Biology</i> , 2006, 26, 4664-4674.	1.1	106
33	OV6+ tumor-initiating cells contribute to tumor progression and invasion in human hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2012, 57, 613-620.	1.8	106
34	Overexpression of Shp2 tyrosine phosphatase is implicated in leukemogenesis in adult human leukemia. <i>Blood</i> , 2005, 106, 3142-3149.	0.6	105
35	Tyrosine phosphatase SHP2 negatively regulates NLRP3 inflammasome activation via ANT1-dependent mitochondrial homeostasis. <i>Nature Communications</i> , 2017, 8, 2168.	5.8	101
36	Tyrosine phosphatase SHP-2 mediates C-type lectin receptor-induced activation of the kinase Syk and anti-fungal TH17 responses. <i>Nature Immunology</i> , 2015, 16, 642-652.	7.0	92

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37	Abnormal Chemokine-Induced Responses of Immature and Mature Hematopoietic Cells from Mice Implicate the Protein Tyrosine Phosphatase Shp-1 in Chemokine Responses. <i>Journal of Experimental Medicine</i> , 1999, 190, 681-690.	4.2	90
38	A definitive role of Shp-2 tyrosine phosphatase in mediating embryonic stem cell differentiation and hematopoiesis. <i>Blood</i> , 2003, 102, 2074-2080.	0.6	90
39	TCF1 and LEF1 Control Treg Competitive Survival and Tfr Development to Prevent Autoimmune Diseases. <i>Cell Reports</i> , 2019, 27, 3629-3645.e6.	2.9	90
40	Apolipoprotein A-I possesses an anti-obesity effect associated with increase of energy expenditure and up-regulation of UCP1 in brown fat. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 763-772.	1.6	83
41	Deletion of Gab1 in the liver leads to enhanced glucose tolerance and improved hepatic insulin action. <i>Nature Medicine</i> , 2005, 11, 567-571.	15.2	79
42	Kit-Shp2-Kit signaling acts to maintain a functional hematopoietic stem and progenitor cell pool. <i>Blood</i> , 2011, 117, 5350-5361.	0.6	78
43	Shp-2 has a positive regulatory role in ES cell differentiation and proliferation. <i>Oncogene</i> , 1998, 17, 433-439.	2.6	73
44	Cytoplasmic Tyrosine Phosphatase Shp2 Coordinates Hepatic Regulation of Bile Acid and FGF15/19 Signaling to Repress Bile Acid Synthesis. <i>Cell Metabolism</i> , 2014, 20, 320-332.	7.2	72
45	SHP-2 promoting migration and metastasis of MCF-7 with loss of E-cadherin, dephosphorylation of FAK and secretion of MMP-9 induced by IL-1 β in vivo and in vitro. <i>Breast Cancer Research and Treatment</i> , 2005, 89, 5-14.	1.1	71
46	Conditional Deletion of Shp2 Tyrosine Phosphatase in Thymocytes Suppresses Both Pre-TCR and TCR Signals. <i>Journal of Immunology</i> , 2006, 177, 5990-5996.	0.4	70
47	The germinal center kinase (GCK)-related protein kinases HPK1 and KHS are candidates for highly selective signal transducers of Crk family adapter proteins. <i>Oncogene</i> , 1998, 17, 1893-1901.	2.6	69
48	Grb-2-associated binder 1 (Gab1) regulates postnatal ischemic and VEGF-induced angiogenesis through the protein kinase A endothelial NOS pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2957-2962.	3.3	66
49	Adiponectin reduces thermogenesis by inhibiting brown adipose tissue activation in mice. <i>Diabetologia</i> , 2014, 57, 1027-1036.	2.9	66
50	Shp2-mediated molecular signaling in control of embryonic stem cell self-renewal and differentiation. <i>Cell Research</i> , 2007, 17, 37-41.	5.7	64
51	Development of Diabetes in Mice with Neuronal Deletion of Shp2 Tyrosine Phosphatase. <i>American Journal of Pathology</i> , 2008, 172, 1312-1324.	1.9	63
52	Deletion of Shp2 Tyrosine Phosphatase in Muscle Leads to Dilated Cardiomyopathy, Insulin Resistance, and Premature Death. <i>Molecular and Cellular Biology</i> , 2009, 29, 378-388.	1.1	62
53	Temporal Requirement of the Protein Tyrosine Phosphatase Shp2 in Establishing the Neuronal Fate in Early Retinal Development. <i>Journal of Neuroscience</i> , 2010, 30, 4110-4119.	1.7	57
54	Shp2 Controls Female Body Weight and Energy Balance by Integrating Leptin and Estrogen Signals. <i>Molecular and Cellular Biology</i> , 2012, 32, 1867-1878.	1.1	57

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55	Conditional Deletion of Shp2 in the Mammary Gland Leads to Impaired Lobulo-alveolar Outgrowth and Attenuated Stat5 Activation. <i>Journal of Biological Chemistry</i> , 2006, 281, 34374-34380.	1.6	56
56	Syp Associates with gp130 and Janus Kinase 2 in Response to Interleukin-11 in 3T3-L1 Mouse Preadipocytes. <i>Journal of Biological Chemistry</i> , 1995, 270, 24826-24830.	1.6	55
57	Improving the Efficacy of Liver Cancer Immunotherapy: The Power of Combined Preclinical and Clinical Studies. <i>Hepatology</i> , 2021, 73, 104-114.	3.6	54
58	Gankyrin-mediated dedifferentiation facilitates the tumorigenicity of rat hepatocytes and hepatoma cells. <i>Hepatology</i> , 2011, 54, 1259-1272.	3.6	53
59	S-nitrosylated SHP-2 contributes to NMDA receptor-mediated excitotoxicity in acute ischemic stroke. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3137-3142.	3.3	53
60	Loss of Shp2 in alveoli epithelia induces deregulated surfactant homeostasis, resulting in spontaneous pulmonary fibrosis. <i>FASEB Journal</i> , 2012, 26, 2338-2350.	0.2	52
61	A Src family kinase-Shp2 axis controls RUNX1 activity in megakaryocyte and T-lymphocyte differentiation. <i>Genes and Development</i> , 2012, 26, 1587-1601.	2.7	52
62	Dual faces of SH2-containing protein-tyrosine phosphatase Shp2/PTPN11 in tumorigenesis. <i>Frontiers of Medicine</i> , 2012, 6, 275-279.	1.5	48
63	Nonreceptor tyrosine phosphatase Shp2 promotes adipogenesis through inhibition of p38 MAP kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E79-88.	3.3	48
64	A Conserved Mechanism for Control of Human and Mouse Embryonic Stem Cell Pluripotency and Differentiation by Shp2 Tyrosine Phosphatase. <i>PLoS ONE</i> , 2009, 4, e4914.	1.1	48
65	Coordinated regulation by Shp2 tyrosine phosphatase of signaling events controlling insulin biosynthesis in pancreatic β -cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7531-7536.	3.3	47
66	Development of severe skeletal defects in induced SHP-2-deficient adult mice: a model of skeletal malformation in humans with SHP-2 mutations. <i>DMM Disease Models and Mechanisms</i> , 2011, 4, 228-239.	1.2	47
67	Targeted Disruption of <i>Shp2</i> in Chondrocytes Leads to Metachondromatosis With Multiple Cartilaginous Protrusions. <i>Journal of Bone and Mineral Research</i> , 2014, 29, 761-769.	3.1	47
68	An Efficient Combination Immunotherapy for Primary Liver Cancer by Harmonized Activation of Innate and Adaptive Immunity in Mice. <i>Hepatology</i> , 2019, 69, 2518-2532.	3.6	47
69	Regulation of Neuregulin-Mediated Acetylcholine Receptor Synthesis by Protein Tyrosine Phosphatase SHP2. <i>Journal of Neuroscience</i> , 1999, 19, 9426-9435.	1.7	45
70	GC-GAP, a Rho Family GTPase-activating Protein That Interacts with Signaling Adapters Gab1 and Gab2. <i>Journal of Biological Chemistry</i> , 2003, 278, 34641-34653.	1.6	45
71	Cyclin G1 Expands Liver Tumor-Initiating Cells by Sox2 Induction via Akt/mTOR Signaling. <i>Molecular Cancer Therapeutics</i> , 2013, 12, 1796-1804.	1.9	45
72	Hepatic Autophagy Deficiency Compromises Farnesoid X Receptor Functionality and Causes Cholestatic Injury. <i>Hepatology</i> , 2019, 69, 2196-2213.	3.6	45

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73	SHP-2 is a novel target of Abl kinases during cell proliferation. <i>Journal of Cell Science</i> , 2008, 121, 3335-3346.	1.2	42
74	Grap Negatively Regulates T-Cell Receptor-Elicited Lymphocyte Proliferation and Interleukin-2 Induction. <i>Molecular and Cellular Biology</i> , 2002, 22, 3230-3236.	1.1	41
75	C/EBP β regulates macrophage activation and systemic metabolism. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E1144-E1154.	1.8	41
76	Deletion of the tyrosine phosphatase Shp2 in Sertoli cells causes infertility in mice. <i>Scientific Reports</i> , 2015, 5, 12982.	1.6	41
77	Modulation of Fatty Acid Synthase Degradation by Concerted Action of p38 MAP Kinase, E3 Ligase COP1, and SH2-Tyrosine Phosphatase Shp2. <i>Journal of Biological Chemistry</i> , 2013, 288, 3823-3830.	1.6	39
78	Shp2 deletion in hepatocytes suppresses hepatocarcinogenesis driven by oncogenic β -Catenin, PIK3CA and MET. <i>Journal of Hepatology</i> , 2018, 69, 79-88.	1.8	39
79	Adamantyl-Substituted Retinoid-Derived Molecules That Interact with the Orphan Nuclear Receptor Small Heterodimer Partner: Effects of Replacing the 1-Adamantyl or Hydroxyl Group on Inhibition of Cancer Cell Growth, Induction of Cancer Cell Apoptosis, and Inhibition of Src Homology 2 Domain-Containing Protein Tyrosine Phosphatase-2 Activity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5659-5662.	2.9	38
80	Epithelial Tyrosine Phosphatase SHP-2 Protects against Intestinal Inflammation in Mice. <i>Molecular and Cellular Biology</i> , 2013, 33, 2275-2284.	1.1	38
81	The Transition from Stem Cell to Progenitor Spermatogonia and Male Fertility Requires the SHP2 Protein Tyrosine Phosphatase. <i>Stem Cells</i> , 2014, 32, 741-753.	1.4	38
82	Intermittent Cold Exposure Enhances Fat Accumulation in Mice. <i>PLoS ONE</i> , 2014, 9, e96432.	1.1	37
83	The Protein Tyrosine Phosphatase SHP-2 Regulates Interleukin-1-induced ERK Activation in Fibroblasts. <i>Journal of Biological Chemistry</i> , 2003, 278, 27190-27198.	1.6	36
84	Protein-tyrosine Phosphatase Shp2 Positively Regulates Macrophage Oxidative Burst. <i>Journal of Biological Chemistry</i> , 2015, 290, 3894-3909.	1.6	36
85	Shp2 acts downstream of SDF-1 β /CXCR4 in guiding granule cell migration during cerebellar development. <i>Developmental Biology</i> , 2009, 334, 276-284.	0.9	35
86	Dual Shp2 and Pten Deficiencies Promote Non-alcoholic Steatohepatitis and Genesis of Liver Tumor-Initiating Cells. <i>Cell Reports</i> , 2016, 17, 2979-2993.	2.9	35
87	Endothelial Grb2-Associated Binder 1 Is Crucial for Postnatal Angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1016-1023.	1.1	34
88	Abnormal PTPN11 enhancer methylation promotes rheumatoid arthritis fibroblast-like synoviocyte aggressiveness and joint inflammation. <i>JCI Insight</i> , 2016, 1, .	2.3	34
89	Control of oligodendrocyte generation and proliferation by Shp2 protein tyrosine phosphatase. <i>Glia</i> , 2010, 58, 1407-1414.	2.5	33
90	Deletion of SHP-2 in mesenchymal stem cells causes growth retardation, limb and chest deformity, and calvarial defects in mice. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 1448-58.	1.2	33

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91	Loss of Shp2-Mediated Mitogen-Activated Protein Kinase Signaling in Müller Glial Cells Results in Retinal Degeneration. <i>Molecular and Cellular Biology</i> , 2011, 31, 2973-2983.	1.1	32
92	A Novel Stat3 Binding Motif in Gab2 Mediates Transformation of Primary Hematopoietic Cells by the Stk/Ron Receptor Tyrosine Kinase in Response to Friend Virus Infection. <i>Molecular and Cellular Biology</i> , 2007, 27, 3708-3715.	1.1	31
93	Nuclear Shp2 directs normal embryo implantation via facilitating the ERK tyrosine phosphorylation by the Src kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 4816-4821.	3.3	31
94	Temporal analyses of postnatal liver development and maturation by single-cell transcriptomics. <i>Developmental Cell</i> , 2022, 57, 398-414.e5.	3.1	30
95	SH2 domain containing protein tyrosine phosphatase 2 regulates concanavalin A-dependent secretion and activation of matrix metalloproteinase 2 via the extracellular signal-regulated kinase and p38 pathways. <i>Cancer Research</i> , 2003, 63, 6334-9.	0.4	30
96	β-catenin deficiency in hepatocytes aggravates hepatocarcinogenesis driven by oncogenic β-catenin and MET. <i>Hepatology</i> , 2018, 67, 1807-1822.	3.6	29
97	Frs2 and Shp2 signal independently of Gab to mediate FGF signaling in lens development. <i>Journal of Cell Science</i> , 2014, 127, 571-82.	1.2	28
98	Lens differentiation is controlled by the balance between PDGF and FGF signaling. <i>PLoS Biology</i> , 2019, 17, e3000133.	2.6	28
99	Crk proteins transduce FGF signaling to promote lens fiber cell elongation. <i>ELife</i> , 2018, 7, .	2.8	27
100	Osteoblastic molecular scaffold Gab1 is required for maintaining bone homeostasis. <i>Journal of Cell Science</i> , 2010, 123, 682-689.	1.2	26
101	Computation-Guided Discovery of Influenza Endonuclease Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 61-64.	1.3	26
102	SHP-2 phosphatase contributes to KRAS-driven intestinal oncogenesis but prevents colitis-associated cancer development. <i>Oncotarget</i> , 2016, 7, 65676-65695.	0.8	26
103	Single-cell transcriptomics reveals opposing roles of Shp2 in Myc-driven liver tumor cells and microenvironment. <i>Cell Reports</i> , 2021, 37, 109974.	2.9	26
104	A Coiled-coil Tetramerization Domain of BCR-ABL Is Essential for the Interactions of SH2-containing Signal Transduction Molecules. <i>Journal of Biological Chemistry</i> , 1997, 272, 1389-1394.	1.6	25
105	Shp2 Is Dispensable in the Formation and Maintenance of the Neuromuscular Junction. <i>NeuroSignals</i> , 2006, 15, 53-63.	0.5	24
106	SH2 Domain-Containing Phosphatase-2 Protein-Tyrosine Phosphatase Promotes FcγRI-Induced Activation of Fyn and Erk Pathways Leading to TNF Release from Bone Marrow-Derived Mast Cells. <i>Journal of Immunology</i> , 2009, 183, 4940-4947.	0.4	24
107	SH2 Domain-Containing Phosphatase 2 Is a Critical Regulator of Connective Tissue Mast Cell Survival and Homeostasis in Mice. <i>Molecular and Cellular Biology</i> , 2012, 32, 2653-2663.	1.1	23
108	Tyrosine Phosphatase Shp2 Mediates the Estrogen Biological Action in Breast Cancer via Interaction with the Estrogen Extranuclear Receptor. <i>PLoS ONE</i> , 2014, 9, e102847.	1.1	23

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109	Role of Gab1 in UV-Induced c-Jun NH 2 -Terminal Kinase Activation and Cell Apoptosis. <i>Molecular and Cellular Biology</i> , 2004, 24, 1531-1539.	1.1	22
110	Preventive Inhibition of Liver Tumorigenesis by Systemic Activation of Innate Immune Functions. <i>Cell Reports</i> , 2017, 21, 1870-1882.	2.9	22
111	SHP2 Phosphatase Prevents Colonic Inflammation by Controlling Secretory Cell Differentiation and Maintaining Host Microbiota Homeostasis. <i>Journal of Cellular Physiology</i> , 2016, 231, 2529-2540.	2.0	21
112	Deletion of Gab2 in mice protects against hepatic steatosis and steatohepatitis: a novel therapeutic target for fatty liver disease. <i>Journal of Molecular Cell Biology</i> , 2016, 8, 492-504.	1.5	21
113	Alx4 relays sequential FGF signaling to induce lacrimal gland morphogenesis. <i>PLoS Genetics</i> , 2017, 13, e1007047.	1.5	21
114	Macrophage Depletion Disrupts Immune Balance and Energy Homeostasis. <i>PLoS ONE</i> , 2014, 9, e99575.	1.1	20
115	Gab2 mediates hepatocellular carcinogenesis by integrating multiple signaling pathways. <i>FASEB Journal</i> , 2017, 31, 5530-5542.	0.2	20
116	Targeting chondrocytes for arresting bony fusion in ankylosing spondylitis. <i>Nature Communications</i> , 2021, 12, 6540.	5.8	20
117	Disrupting phosphatase SHP2 in macrophages protects mice from high-fat diet-induced hepatic steatosis and insulin resistance by elevating IL-18 levels. <i>Journal of Biological Chemistry</i> , 2020, 295, 10842-10856.	1.6	18
118	Metavir and FIB-4 scores are associated with patient prognosis after curative hepatectomy in hepatitis B virus-related hepatocellular carcinoma: a retrospective cohort study at two centers in China. <i>Oncotarget</i> , 2017, 8, 1774-1787.	0.8	17
119	SHP-2 deletion in postmigratory neural crest cells results in impaired cardiac sympathetic innervation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E1374-82.	3.3	16
120	Human-specific polymorphic pseudogenization of <i>SIGLEC12</i> protects against advanced cancer progression. <i>FASEB BioAdvances</i> , 2021, 3, 69-82.	1.3	14
121	SHP2-Deficiency in Chondrocytes Deforms Orofacial Cartilage and Ciliogenesis in Mice. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 2028-2032.	3.1	13
122	High-fat feeding reprograms maternal energy metabolism and induces long-term postpartum obesity in mice. <i>International Journal of Obesity</i> , 2019, 43, 1747-1758.	1.6	13
123	Enhancing the therapeutic efficacy of programmed death ligand 1 antibody for metastasized liver cancer by overcoming hepatic immunotolerance in mice. <i>Hepatology</i> , 2022, 76, 630-645.	3.6	13
124	Targeting of Ras-mediated FGF signaling suppresses Pten-deficient skin tumor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13156-13161.	3.3	12
125	The role of tyrosine phosphatase Shp2 in spermatogonial differentiation and spermatocyte meiosis. <i>Asian Journal of Andrology</i> , 2020, 22, 79.	0.8	12
126	Downregulation of platelet-derived growth factor receptor- β in Shp-2 mutant fibroblast cell lines. <i>Oncogene</i> , 1998, 17, 441-448.	2.6	11

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127	VEGFA Genomic Amplification Tailors Treatment of HCCs with Sorafenib. <i>Cancer Discovery</i> , 2014, 4, 640-641.	7.7	10
128	Shp2 and Pten have antagonistic roles in myeloproliferation but cooperate to promote erythropoiesis in mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13342-13347.	3.3	10
129	A tumorigenic index for quantitative analysis of liver cancer initiation and progression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26873-26880.	3.3	10
130	Stress Conditions Induced by Locoregional Therapies Stimulate Enrichment and Proliferation of Liver Cancer Stem Cells. <i>Journal of Vascular and Interventional Radiology</i> , 2019, 30, 2016-2025.e5.	0.2	9
131	NCOA5, a molecular link between type 2 diabetes and liver cancer. <i>Hepatobiliary Surgery and Nutrition</i> , 2014, 3, 106-8.	0.7	9
132	Bridging cell surface receptor with nuclear receptors in control of bile acid homeostasis. <i>Acta Pharmacologica Sinica</i> , 2015, 36, 113-118.	2.8	5
133	A role for SHPS-1/SIRP α in Concanavalin A-dependent production of MMP-9. <i>Genes To Cells</i> , 2007, 12, 1023-1033.	0.5	4
134	A new VETC in hepatocellular carcinoma metastasis. <i>Hepatology</i> , 2015, 62, 343-345.	3.6	4
135	A Novel Stat3 Binding Site in Gab2 Mediates Hematopoietic Transformation by Friend Erythroleukemia Virus. <i>Blood</i> , 2006, 108, 465-465.	0.6	4
136	Pharmaceutical SH2 domain-containing protein tyrosine phosphatase 2 inhibition suppresses primary and metastasized liver tumors by provoking hepatic innate immunity. <i>Hepatology</i> , 2023, 77, 1512-1526.	3.6	4
137	Gel-seq: whole-genome and transcriptome sequencing by simultaneous low-input DNA and RNA library preparation using semi-permeable hydrogel barriers. <i>Lab on A Chip</i> , 2017, 17, 2619-2630.	3.1	3
138	Androgen receptor, neovascularization and liver cancer metastasis. <i>Journal of Hepatology</i> , 2021, 75, 768-769.	1.8	3
139	Control of body weight versus tumorigenesis by concerted action of leptin and estrogen. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013, 14, 339-345.	2.6	2
140	Treating leukemia at the risk of inducing severe anemia. <i>Experimental Hematology</i> , 2016, 44, 329-331.	0.2	2
141	Tyrosine Phosphorylation of Runx1 In Megakaryocytes by Src Family Kinases. <i>Blood</i> , 2010, 116, 742-742.	0.6	2
142	Mutated SHP and AML in leukemias. <i>Blood</i> , 2004, 103, 1982-1983.	0.6	1
143	Deciphering the molecular and physiological connections between obesity and breast cancer. <i>Frontiers in Biology</i> , 2011, 6, 206.	0.7	1
144	Tumor immunology and immunotherapy: a journey I started from Hangzhou. <i>Journal of Zhejiang University: Science B</i> , 2019, 20, 373-380.	1.3	1

#	ARTICLE	IF	CITATIONS
145	Targeting the Protein Phosphatase, Shp2, Reduces FLT3-ITD-Induced Hyperproliferation of Murine Hematopoietic Progenitors.. Blood, 2009, 114, 827-827.	0.6	0
146	The G-CSF Receptor Requires Gab2-Mediated Recruitment of the Tyrosine Phosphatase Shp2 to Promote Lyn-Dependent Proliferation.. Blood, 2010, 116, 1555-1555.	0.6	0
147	Coordinated Regulation of Embryonic and Adult Hematopoietic Stem Cell Activity by PTPN11/Shp2.. Blood, 2010, 116, 2630-2630.	0.6	0
148	KIT Induced Myeloproliferative Disease Is Dependent on PI3Kinase and SHP2 Phosphatase: Identification of SHP2 As a Druggable Target for Treating MPD and AML. Blood, 2011, 118, 868-868.	0.6	0
149	The Protein Tyrosine Phosphatase, Shp2, Positively Contributes to FLT3-ITD-Induced Malignant Disease in Vivo and Co-Localizes with Nuclear Phospho-STAT5 in FLT3-ITD-Expressing Leukemic Cells.. Blood, 2012, 120, 2420-2420.	0.6	0
150	Macrophage NADPH Oxidase Activation and ROS Production Is Positively Regulated By Shp2 Phosphatase Function. Blood, 2014, 124, 1397-1397.	0.6	0
151	A New Preventive Therapeutic Strategy for Liver Cancer. FASEB Journal, 2018, 32, 696.1.	0.2	0